

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 12116-1 (1987): Hexagon Head Taper Plugs for Oil Hydraulic Systems, Part 1: Made from Forgings [PGD 17: Fluid Power Fittings, Hoses and Hose Assemblies]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SPECIFICATION FOR HEXAGON HEAD TAPER PLUGS
FOR OIL HYDRAULIC SYSTEMS

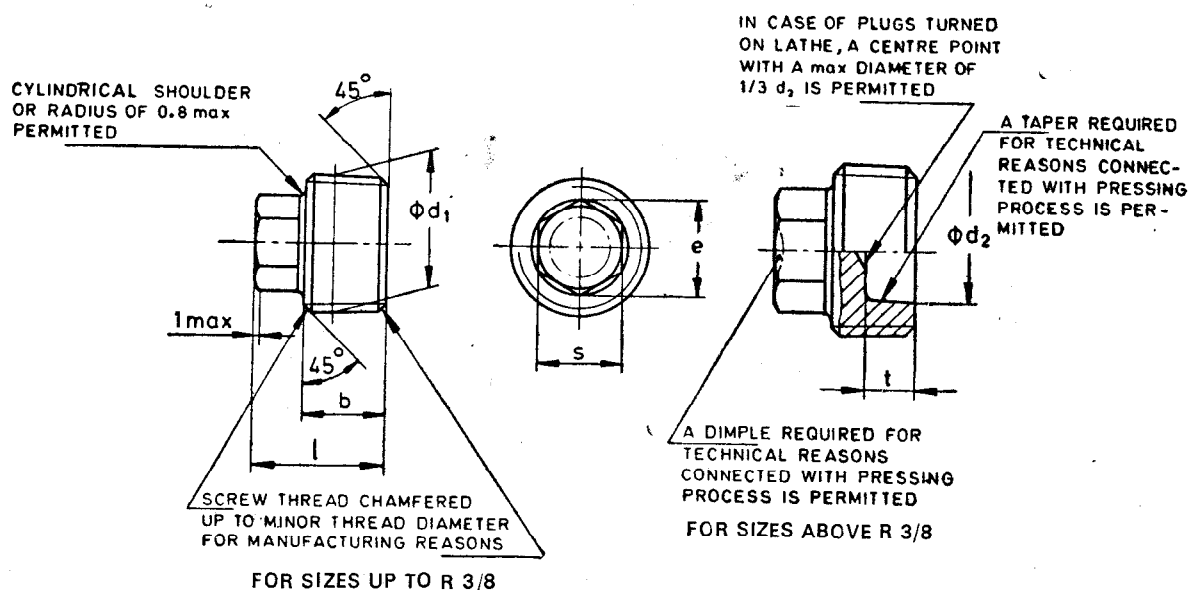
PART 1 MADE FROM FORGINGS

1. Scope — Covers dimensions and other requirements of hexagon head taper plugs used to plug holes with parallel internal screw threads. In order to achieve leak proof plugging, an appropriate sealant shall be used depending on the working conditions like medium, pressure and temperature.

2. Dimensions — Shall be as given in Table 1.

TABLE 1 DIMENSIONS FOR HEXAGON HEAD TAPER PLUGS

All dimensions in millimetres.



Pipe Thread* d_1	b j_s 16	d_2 $+1$ 0	e Min	l j_s 16	s †	t 0 -1
R 1/8	8	—	7.74	12.5	7	—
R 1/4	10	—	9.76	15	9	—
R 3/8	10	—	10.89	16	10	—
R 1/2	10	12	14.20	17	13	6
R 3/4	12	16	18.72	20	17	7
R 1	12	23	20.88	20	19	7
R 1 1/4	18	32	26.17	30	24	13
R 1 1/2	20	38	32.95	30	30	15

*External taper threads shall conform to IS : 554-1986 'Dimensions for pipe threads where pressure-tight joints are required on the threads (third revision)'.

†Tolerance on s : h14 for s up to 19 mm, and
h15 for s above 19 mm.

Adopted 2 June 1987

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Gr 1

IS : 12116 (Part 1) - 1987

3. Material — Hexagon head taper plugs shall be manufactured from suitable low carbon steel with a minimum tensile strength of 500 MPa.

4. Surface Protection — Hexagon head taper plugs shall be phosphated to Class A2 of IS : 3618-1966 'Specification for phosphate treatment of iron and steel for protection against corrosion', or any other surface protection, for example, zinc plating as agreed between the manufacturer and the user.

5. Designation — A hexagon head taper plug having $d_1 = R\frac{1}{8}$ shall be designated as:

Taper Plug $R\frac{1}{8}$ IS: 12116 (Part 1)

6. Marking — The cartons containing the taper plugs shall be marked with the designation and the manufacturer's name or trade-mark.

6.1 Certification Marking — Details available with the Bureau of Indian Standards.

EXPLANATORY NOTE

This standard covers hexagon head taper plugs made from forgings only. The plugs made from bar stock shall be covered in Part 2 of the above standard.

In the preparation of this standard, considerable help has been derived from DIN 909-1983 'Hexagon head pipe plugs', issued by Deutsches Institut für Normung (DIN).